WHAT IS CLAIMED IS:

1. A mobile phone comprising a main body having a telephone function and a camera device having a camera and means for transferring images captured by the camera device to the main body by a short-distance wireless connection, wherein the images are processed either in the camera device or in the main body.

2. The mobile phone as claimed in Claim 1, wherein the camera device has a speaker unit and a microphone and can communicate with the main body having the telephone function by the short-distance wireless communication, thereby enabling to perform a calling only with the camera device.

3. The mobile phone as claimed in Claim 1, wherein the camera device has a speaker unit, a microphone, and a telephone functions, and can communicate with the main body provided with a telephone number list, thereby enabling to perform a calling only with the camera device.

4. The mobile phone as claimed in Claim 1, wherein each of the camera device and the main body has a speaker unit and a microphone, so that calling can be performed with the main body when the camera device is mounted on the main body and when the camera device is detached from the main body.

5. The mobile phone as claimed in Claim 1, wherein terminals are arranged at a contact portion between the camera device and the main body when the

camera device is mounted on the main body, so that power can be supplied from a power source in the main body to the camera device.

6. The mobile phone as claimed in Claim 1, wherein terminals are arranged at a contact portion between the camera device and the main body when the camera device is mounted on the main body, so that power can be supplied from a power source in the camera device to the main body.

7. The mobile phone as claimed in Claim 1, wherein terminals are arranged a contact portion between the camera device and the main body when the camera device is mounted on the main body, so that signal transmission/reception can be performed through a cable without using the short-distance wireless communication.

8. The mobile phone as claimed in Claim 1, wherein the camera device has a liquid crystal screen and telephone number list information in the main body can be displayed on the liquid crystal screen.

9. The mobile phone as claimed in Claim 1, wherein a stopper is provided to prevent falling of the camera device from the main body when the camera device is mounted on the main body.

10. The mobile phone as claimed in Claim 9, wherein a magnet is arranged at a contact portion between the camera device and the main body when the camera device is mounted on the main body.

11. The mobile phone as claimed in Claim 9, wherein a magic tape is arranged at a contact portion between the camera device and the main body when the camera device is mounted on the main body.

12. The mobile phone as claimed in Claim 9, wherein a wedge-shaped slide-type stopper is provided for fixing the camera device to the main body when the camera device is mounted on the main body.

13. The mobile phone as claimed in Claim 9, wherein each of the main body and the camera device has an opening hole.

14. The mobile phone as claimed in Claim 1, wherein a terminal is provided fir detecting mounted/detached states of the camera device at the main body.

15. The mobile phone as claimed in Claim 1, wherein a cable connection terminal is provided on each of the main body and the camera device, so that signal transmission/reception can be performed through a cable when the camera device is detached from the main body.

16. The mobile phone as claimed in Claim 1, wherein the camera device has a switch to replace the button operation on the main body.

17. The mobile phone as claimed in Claim 16, wherein the camera device has a cursor key to replace the button operation on the main body.

18. The mobile phone as claimed in Claim 1, wherein the camera device has a symmetric shape in the

vertical (up-down) direction.

19. The mobile phone as claimed in Claim 18, wherein a terminal is provided for detecting whether the camera device is mounted in a correct direction (up-down) or a reverse direction.

20. The mobile phone as claimed in Claim 18, the mobile phone further comprising means for detecting whether the camera device is mounted on the main body in a correct direction or a reverse direction, so that the control method of the main body is switched from one to the other according to the detected direction.

21. The mobile phone as claimed in Claim 1, wherein the camera device has a symmetric shape in the front-rear direction.

22. The mobile phone as claimed in Claim 1, wherein the camera device has an asymmetric shape in the vertical (up-down) direction.

23. The mobile phone as claimed in Claim 1, wherein the camera device as an asymmetric shape in the front-rear direction.

24. A mobile phone comprising a camera device and a main body in such a way that the camera device can be detached from the main body and furthermore, means is provided for transferring an image captured by the camera device to the main body by a short-distance wireless communication, so that the image is subjected to a pattern recognition processing in the camera device or in the main body, so as to be converted into

text information, which is used for information processing.

25. The mobile phone as claimed in Claim 24, wherein text information of a numeric string converted is used as a telephone number and a call is performed.

26. The mobile phone as claimed in Claim 24, wherein the converted text information is used as as an Internet address and Internet connection is performed.

27. The mobile phone as claimed in Claim 24, wherein the converted text information is translated to another language and the result is displayed on the screen.

28. The mobile phone as claimed in Claim 24, wherein the converted text information is translated into another language and the translation result is displayed on the screen.

29. The mobile phone as claimed in Claim 24, wherein the converted text information is used as a mail address so as to utilized for mail transmission.

30. The mobile phone as claimed in Claim 24, wherein the converted text information is used as a mail text so as to be utilized for mail transmission.

31. The mobile phone as claimed in claim 24, wherein according to the function using recognized characters, the object character type is switched from one to another, thereby improving the character recognition accuracy.

32. A mobile phone comprising a camera device and

a main body in such a way that the camera device can be detached from the main body and furthermore, means is provided for transferring an image captured by the camera device to the main body by a short-distance wireless communication, so that the image is subjected to a pattern recognition processing in the camera device or in the main body, so as to be converted into properties information, which is used for information processing.

33. The mobile phone as claimed in Claim 32, wherein a user face is captured from the camera device and subjected to a pattern recognition processing, so as to be converted into properties information, which is used to set and release the mobile phone locking, thereby preventing an unauthorized use of the mobile phone.

34. The mobile phone as claimed in Claim 32, wherein a person image is captured from the camera device and subjected to a pattern recognition processing, so as to be converted into properties information, which is loaded in relation with personal information such as a telephone number, e-mail address, and a geographical address, so that when the person image is again captured, the image is subjected to the pattern recognition processing, so as to be converted into properties information for searching the personal information.

35. A mobile phone comprising a first terminal

having a camera and a second terminal having a ten-key set, wherein the first terminal and the second terminal includes: an electric terminal for use for passing data captured by the camera when the first terminal is physically connected to the second terminal into a unit; and short-distance wireless communication means for passing data captured by the camera when the first terminal is physically detached from the second terminal.